WHAT IS CLAIMED IS:

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1	1. An apparatus comprising:
2	a first integrated circuit mounted in a first package, the first package having a first set
3	of electrical contacts and a first connector; and
4	a second integrated circuit mounted in a second package, the second package having a
5	second set of electrical contacts and a second connector, the second connector
6	being electrically and physically coupled to the first connector, the first and
7	second connectors being mating connectors.

- 2. The apparatus as recited in claim 1 wherein the first set of electrical contacts are disposed on a first surface of the package and the first connector is disposed on a second surface of the package.
- 3. The apparatus as recited in claim 2 wherein the second set of electrical contacts and the second connector are disposed on a same surface of the second package.
- 4. The apparatus as recited in claim 3 wherein the second set of electrical contacts are coupled to a printed circuit board through an intermediate connector.
- 5. The apparatus as recited in claim 4 wherein the intermediate connector is a socket.
- 6. The apparatus as recited in claim 1 wherein the first and second connectors are male/female connectors.
- 1 7. The apparatus as recited in claim 1 wherein the first and second mating 2 connectors are electrically coupled via press fit connections.
- 8. 1 The apparatus as recited in claim 1 wherein the first and second connectors 2 are removably coupled.

1	9.	The apparatus as recited in claim 1 wherein high speed signals are routed over		
2	the first and second connectors and wherein power, ground and slower speed signals are			
3	routed over the first set of electrical contacts.			
1	10.	The apparatus as recited in claim 1 wherein power, ground and slower speed		
2	signals are routed over the second set of electrical contacts.			
1	11.	The apparatus as recited in claim 1 wherein one of the first and second		
2	integrated circuits is a microprocessor.			
4.4				
1	12.	The apparatus as recited in claim 1 wherein the first set of electrical contacts		
The state of the s	are formed by one of solder balls, lands, pins, and wires.			
1.	13.	The apparatus as recited in claim 1 wherein the first and second connectors		
2	carry signals	for a standard microprocessor interface between the first and second integrated		
And the state of t	circuits.			
11 12				
	14.	The apparatus as recited in claim 1 wherein the first and second connectors are		
2.4	slidably engaged.			
1	15.	A method comprising:		
2		rically coupling a first integrated circuit mounted in a first package through a first		
3	01000	set of electrical connectors to a printed circuit board; and		
4	-			
5	electrically connecting the first integrated circuit through a first package connector to			
6		a second integrated circuit mounted in a second package having a second		
7		package connector, wherein the first and second package connectors are		
/		mating connectors.		

The method as recited in claim 15 wherein the second package is electrically

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coupled to the printed circuit board.

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- 1 17. The method as recited in claim 15 wherein the first and second package connectors are slidably engaged.
- 1 18. The method as recited in claim 15 wherein the second package connector is 2 electrically coupled to the first package connector via a solderless connection.
- 1 19. The method as recited in claim 15 further comprising sending high speed 2 signals over the first package connector and sending lower speed signals over the first set of 3 electrical connectors.
 - 20. An integrated circuit assembly comprising:
 - first means for electrically coupling a packaged integrated circuit to a printed circuit board;
 - second means for directly electrically coupling the packaged integrated circuit to a second packaged integrated circuit without coupling through a printed circuit board.
 - 21. The integrated circuit assembly as recited in claim 20 wherein the first and second means are located on a first surface of the packaged integrated circuit.
- The integrated circuit assembly as recited in claim 20 wherein the first and second means are located respectfully on a first and second surface of the packaged integrated circuit.
- The integrated circuit assembly as recited in claim 20 wherein the second means for directly electrically coupling couples standard interface signals between the first and second packaged integrated circuit.
- 1 24. A package assembly including an integrated circuit package for an integrated circuit die, comprising:
- a first set of electrical contacts for coupling to a printed circuit board; and

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- 4 a connector disposed on a surface of the package for coupling to a mating connector 5 on another integrated circuit package.
 - 25. The package assembly as recited in claim 24 wherein the first set of electrical contacts and the connector are mounted on a bottom surface of the integrated circuit package.
- 1 26. The package assembly as recited in claim 24 wherein the first set of electrical contacts and the connector are mounted on opposite surfaces of the integrated circuit package.
 - 27. The package assembly as recited in claim 24 wherein the first set of electrical contacts couple to the printed circuit board through a socket.